

#13.

Hawaiian Explorations.

D^o 3988-4004.

H^y 4431-4463.

June 11th - 17th, 1902.

Next Hy. 4431.

- r - Dr. 3988.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
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	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson *O.L.* 79.4
 No. *Hy* 4431 Date *11 June, '02.*
Sigsbee Machine #1 Reel. *Navy*
 Turns *1085* Cor. + *103* Depth *1188 fms.*
 Shot or lead *35 Lbs.*
 Bottom *fy gy S. Form.*
 Bottom temperature *36*
 No. of thermometer *72449* Cor.
 Corrected temperature
 Air *80* Surface *77* Drift

PM Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-26.05</i>	<i>50.10</i>	0		
<i>27.10</i>	<i>49.05</i>	100		
<i>28 =</i>	<i>48.05</i>	200		
<i>29 =</i>	<i>47.05</i>	300		
<i>30.05</i>	<i>46.05</i>	400		
<i>31.10</i>	<i>45.05</i>	500		
<i>32.10</i>	<i>44.05</i>	600		
<i>33.20</i>	<i>43 =</i>	700		
<i>34.25</i>	<i>41.55</i>	800		
<i>35.35</i>	<i>40.55</i>	900		
<i>36.50</i>	<i>39.50</i>	1000		
<i>38 =</i>	<i>38.50</i>	<i>1085</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hamamawly (Chukini) Warehouse,		830° W. 13' 10"
OK HCB 3		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
4830	257	3500
1085	154	3600
3743	103	3700
	1080	3800
	1188	3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Surf	3988		
50	"	4431		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 81.4

No.

3988

Date

June 11, 1902.

Sigsbee

Machine.

Reel.

Havy.

Turns 426 Cor. + 43

Depth 469 fms

Shot or lead

35 lbs

Bottom

gy. fm. S. ~~fine~~ P.

Bottom temperature

40

No. of thermometer

92449

Cor.

Corrected temperature

Air

80

Surface

77

Drift

(N 57° W
8 1/10')

Trawl or dredge

8' Tanner with apron

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

13.40

23.25

0

1.26.30

48.40

14.30

22.20

100

30.30

45.05

15.25

21.20

200

34.05

41.35

16.20

20.20

300

37.20

37.40

17.15

19 =

400

40.25

33.20

17.30

18.40

426

43.25

28.20

600

46.40

23.35

700

49.40

23.0

750

1.51.40

18.45

800

2.09.40

2.14.00

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20 min.

Hanamaulu Whse, S 21° W, 12 ⁶/₁₀'

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	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

OK
500
2

436
43
469

4830 257
666
4164

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl:			
50	4 kinds holothurians; 5 kinds			
100	prawns; 1 pentacheles; 2 thormo-			
200	soma; long-spined sea urchin;			
300	1 tectibranch; 1 lamelli'branch;			
400	1 gastropod; 2 kinds sponge;			
500	1 kind medusa; 2 kinds			
600	macrurus; 1 peristedion? hians;			
700	1 Congrellus.			
800				
900				
1000				

REMARKS:

Hutchinson
 No. *Hy 4432* Date *June 11th 02.*
Sigsbee Machine. # *1* Reel. *Sigsbee*
 Turns *150* Cor. + *15* Depth *165 fms*
 Shot or lead *36 lbs.*
 Bottom *gy br S. frag of Co. R.*
 Bottom temperature *56*
 No. of thermometer *92449* Cor.
 Corrected temperature
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.51.40</i>	<i>55.20</i>	0		
<i>52.30</i>	<i>54.10</i>	100		
<i>53 =</i>	<i>53.30</i>	<i>150</i> 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hanamaulu Whse, 87°30' N., 13⁶/₁₀'

OK
JTB
2

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2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson
P. L. 824
 No. *4433* Date *June 11th 02.*
Sigsbee Machine. #1 Reel. *Hand.*
 Turns *21* Cor. + *2* Depth *23 fms*
 Shot or lead *36 lbs.*
 Bottom *gy. br. S. f. gy. S. br. R. & Sh.*
 Bottom temperature
 No. of thermometer *92449* Cor.
 Corrected temperature
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-09.40
10 =

3.11 PM

0

21

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Hanamaulu Whse, S 5° 7N., 12 ⁸/₁₀'

OK
JTC
2

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Tracy
 No. *1134* Date *11-17-02*
1902 Machine. *1* Reel. *(H. 92)*
 Turns *50* Cor. + *5* Depth *55*
~~Shot or lead~~ *36*
 Bottom *P. brk sh*
 Bottom temperature *71*
 No. of thermometer *9244* Cor.
 Corrected temperature
 Air *82* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.07.00</i>	<i>01.20</i>	0		
<i>01.20</i>	<i>01.20</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Manzanilla Base, 825° 30' N., 101°

*OK
J. H. B.
J. H. B.*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

3989

Date

11 June 1902

Machine.

Reel.

Turns

666

Cor. +

Depth

733

Shot or lead

36

Bottom

Co. S. R.

Bottom temperature

37.5

No. of thermometer

Cor.

Corrected temperature

Air

82

Surface

78

Drift

{ 820 m
1 3/10

Trawl or dredge

8' Tanner, with 12' line

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4, 31.00	4, 31.00	0	4, 41.10	14.00
31.40	44.00	100	12.00	6, 02.10
32.00	44.30	200	11.00	5, 53.00
33.00	44.30	300	10.00	5, 44.00
34.00	44.30	400	09.00	5, 35.10
35.00	44.30	500	08.00	5, 26.00
36.00	39.10	600	07.00	5, 17.00
37.00	38.00	666	12.00	5, 08.00
		700		4, 59.00
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Honolulu Whse, 833° W., 95⁵/₁₀'

61
31.40

66
67
72.9

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl =			
50	1 holozaurus; 6 macrurus			
100	2 kinds; 1 brotulia; 1 centro-			
200	scyllium sp. ?; 3 kinds gorgonians;			
300	umbellula; long-armed sea urchins;			
400	ophiurans attached to gorgonians;			
500	3 kinds squid; 1 pentacheles;			
600	several murex; 2 or 3 kinds prawns;			
700	sponge (like euplectella); 1 small			
800	mushroom-shaped sponge; 1			
900	Compound ascidian; anemones			
1000	attached to gorgonian.			

REMARKS:

Depth of apparatus
probably never more than
500 fms.

No. 4435 Date 11/11/1901

Machine. Reel.

Turns 310 Cor. + 35 Depth 345 fms

Shot or lead 35

Bottom Co S. br Sh. Form

Bottom temperature 42.0

No. of thermometer 7444 Cor.

Corrected temperature

Air 79 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6.04.45
6.05.45
6.06.45
10.50
11.40
12.00

6.10.00
6.11.00
14.50
14.00
13.30

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

Manamalu Wase, 832 W., 8⁵/₁₀'

*6.5
3.5
3.5*

*250
25
3.5*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>3.50</i>			
50	<i>3.55</i>			
100	<i>3.55</i>			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3990 Date 13 June 22.
 Sigsbee Machine. 1 Reel. 1/18 in.
 Turns 296 Cor. + 30 Depth 326 fms.
 Shot or lead 35 Lbs.
 Bottom gy. s. fine R.
 Bottom temperature 42.1
 No. of thermometer 92449. Cor.
 Corrected temperature 84.68° W
 Air 78. - Surface 76. - Drift 1.5'
 Trawl or dredge 8' Tanner with 100 lb.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.26.10	7.42.10	0	7.55.30	42.40
7.27.10	7.43.10	100	7.56.30	37.15
7.28.10	7.44.10	200	7.57.30	35.15
7.29.10	7.45.10	300	8.01.30	30.25
		400	05.30	25.5
		500	09.00	15.10
		525		8.13.20
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mokuauia Islet, S 78° W., 5 7/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Under 3000 ft. Therm. record to 525 fms.
 Blue runner like large green
 runner, very pretty. 1 seen.
 2 seen.
 Caught only 2 kinds prawns.
 2 kinds gorgonians.

No. 3991

Date Jan 13 1902

Machine. 1

Reel. 1

Turns 269 Cor. +

Depth 27 fms

~~Shot or lead~~ 36 lbs

Bottom gy. S. R.

Bottom temperature

43.7°

No. of thermometer

92449

Cor.

Corrected temperature

Air 80

Surface 77

Drift

(N 42° W)

9/15'

~~Trawl or dredge~~ Trawl

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:55.55	52.55	0	8:59.30	36.05
42.15	51.55	100	9:02.55	32.50
47.24	50.20	200	05.55	29.10
48.10	49.51	269	09.25	25.10
		300	12.30	17.05
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Station 21, 66° N., 4.0'

516
510
296

269
27
296

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Fangles: Antipatharium; hydroids; 2 kinds sponges; 1 kind coral; 1 kind annelids; 2 kinds mollusks; 1 kind crustacean & many corals.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Heavy strain, at times

No. *Hy 4436* Date *2*

Machine. Reel.

Turns *247* Cor. + *25* Depth *272*Shot or lead *36 lbs*Bottom *br. co. S.*Bottom temperature *43.9°*No. of thermometer *92449* Cor.

Corrected temperature

Air *75* Surface *6* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>35.55</i>	<i>41.55</i>	0
<i>37.45</i>	<i>41.45</i>	100
<i>40.30</i>	<i>42.40</i>	200
<i>41 =</i>	<i>42.00</i>	<i>247</i> 250
		400
		500
		600
		700
		800
		900
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		1500
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		2000
		2100
		2200
		2300
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Admiral's Ed, 85576, 32/10'

6 K
1.5
1.5

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2500
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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900				
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REMARKS:

14.3

507.

No. *507* Date *June 12 '92*

Machine *#1* Reel *Star*

Turns *355* Cor. + *35* Depth *423 fms*

Shot or lead *35 lbs*

Bottom *gy S. o*

Bottom temperature *41.0*

No. of thermometer *72227* Cor.

Corrected temperature

Air *79* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-55.45</i>	<i>06.35</i>	0		
<i>10-00.25</i>	<i>07.30</i>	100		
<i>31.35</i>	<i>06.25</i>	200		
<i>12.25</i>	<i>05.25</i>	300		
<i>03.20</i>	<i>04.20</i>	<i>355</i> 400		
		500		
		600		
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Rekuaenee Sheet, 845 N, 2 10

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2500
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3000
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3200
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3600
3700
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3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P. L. 10.3

147.4

No. *4438*

Date *June 12-02*

Sigsbee

Machine.

Reel.

Turns *244* Cor. +

24

Depth *268 fms*

Shot or lead *36*

Bottom *fine gy S.*

Bottom temperature *45.6*

No. of thermometer *71449* Cor.

Corrected temperature

Air *77* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

all

10. 22.50

28.45

0

23.35

27.40

100

24.25

26.30

200

24.50

25.50

284

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Alameda Islet, S 40° W, 13 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 16.

107.

No. *4439* Date *June 12 '02*

Machine. *7* Reel. *1004*

Turns. *59* Cor. + *6* Depth *65 fms*

Shot or lead *36 lb.*

Bottom *gy. m. s.*

Bottom temperature *71°*

No. of thermometer *92449* Cor.

Corrected temperature

Air *79* Surface *77* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>19.41.20</i>	<i>52.20</i>	0		
<i>50.00</i>	<i>51.30</i>	59 <i>100</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Station 2120 W, 5/10.

01
2120

5/10

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

21.00

557

No. 4440

Date June 12, 02.

Machine #1

Reel. Day.

Turns 1150 Cor. +

109

Depth 1259 fms

Shot or lead

35

Bottom

gy S. 94

Bottom temperature

No. of thermometer

92449

Cor.

Corrected temperature

Air

80

Surface

77

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-36.10	12.00 40	0
37.10	12.00 40	100
38.10	12.00 40	200
39.10	12.00 40	300
40.10	12.00 40	400
41.10	12.00 40	500
42.10	12.00 40	600
43.10	12.00 40	700
44.10	12.00 40	800
45.10	12.00 40	900
46.10	12.00 40	1000
47.10	12.00 40	1100
48.10	12.00 40	1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Aluminum Boat, S 14° E., 6.'

*ph
100
100
100*

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
<i>4830</i>	<i>257</i>	3700	
<i>1150</i>	<i>148</i>	3800	
<i>3680</i>	<i>109</i>	3900	
	<i>1150</i>	4000	
	<i>1259</i>		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4441

Date 12/22/22

Machine 1

Reel.

Turns 874 Cor. +

Depth 961

Shot ~~or lead~~

Bottom fine gy. s.

Bottom temperature

No. of thermometer 92449

Cor.

Corrected temperature

Air 88

Surface 77

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

26.20

46.40

100

27.15

44.40

200

28.10

43.40

300

29.20

42.40

400

30.30

41.40

500

31.00

40.40

600

32.15

39.40

700

33.25

38.40

800

34.40

37.10

874

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Aluminum Bar, 82° 30' E., 45' 10"

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4820

874

3956

17'0"

87

8.74

061

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3493. Date 12

Machine. #1 Reel.

Turns 480 Cor. + 49

Depth 529

Shot or lead 35#

Bottom fine gy. S. M.

Bottom temperature 39.6

No. of thermometer 92449.

Cor.

Corrected temperature

Air 79

Surface 77

Drift

Trawl or dredge

8' Tanner with obion

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-12-30 22-00
 13-05 21-00
 13-55 20-00
 14-40 19-00
 15-25 18-00
 1-16-30 1-17-00

0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400

1-12-30 22-00
 31-00 17-00
 35-00 16-00
 39-10 07-30
 41-00 02-15
 44-10 57-20
 50-50 55-10
 1-17-00 1-14-00

Albacore sled, S 54° E, 3 5/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				2 Knids
100				ophiocras & 2 other Knids of
200				phicrurus; 1 Knid sponge; 1 lg
300				munida; 2 Knids prawns; her-
400				mito in dentalium shells; mac-
500				ricran in sponge cavities; 1
600				brisinga; 2 Knids anemones;
700				1 ante don; 1 long-spine urchin;
800				2 spatangoids; dentalium; sev
900				Knids gastropods; pteropod shell
1000				

REMARKS:

Albacore chains observed at 1000 fms; depth worked at 1000 fms. immediately before 1000 fms. haul not sound after landing net. Net slightly torn, but and says a number of like to have been washed

No. 4442 Hy, Date 12 June 05

Machine. 1 Reel. 1104

Turns 46 Cor. +

Depth 47 fms

~~Shot~~ or lead 36

Bottom pas si Co. 73c

Bottom temperature

No. of thermometer 924199

Cor.

Corrected temperature

Air 78

Surface 77

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

38.00

39.30

0

38.20

39.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Station 1, 673.8, 34.5'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3993 Date 12 June 1902
 Machine. 1 Reel. 1
 Turns 198 Cor. + 20 Depth 218 fms
 Shot or lead 36
 Bottom fm. gy. S.
 Bottom temperature 50
 No. of thermometer 12249 Cor. 0.10
 Corrected temperature
 Air 79 Surface 77 Drift 1.30
 Trawl or dredge 5277

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.16.40		0	2.28.00	4.15.35
17.20	22.00	100	2.29.00	13.30
17.40	21.00	198	3.00.00	09.50
		300	3.01.00	06.50
		400	3.02.00	04.15
		450	3.03.00	01.40
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

North Atlantic, 862030' 2.1671'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4830 25

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Blake Trawl :			
50				
100	Pyrosoma; sponge; peristaltic			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *H. 1443* Date *12 June '02*
Sigsbee Machine *#1* Reel *Navy*
 Turns *183* Cor. + *18* Depth *201 fms.*
~~Shot or lead~~ *36 Lbs.*
 Bottom *gy S. Glob.*
 Bottom temperature *50.00*
 No. of thermometer *92419* Cor.
 Corrected temperature
 Air *78.* - Surface *77.* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.18.10</i>	<i>4.23.00</i>	0		
<i>18.55</i>	<i>21.55</i>	100		
<i>4.19.25</i>	<i>4.21.00</i>	<i>183</i> 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
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		2100		
		2200		
		2300		
		2400		

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3993.

Mohamud Dabit / 864th 30th 7th / 10

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3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 310

No. *Dr.* 3994. Date *12 June '02*
Sigsbee Machine. / Reel. *Navy*
 Turns *300* Cor. + *30* Depth *330 fms.*
 Shot ~~or lead~~ *35 lbs.*
 Bottom *gy. m. s.*
 Bottom temperature *42.9*
 No. of thermometer *92440* Cor.
 Corrected temperature *42.9*
 Air *78.* - Surface *77.* - Drift *1 1/10*
 Trawl or dredge *5 1/2' Blake, and beam.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>48.40</i>	<i>4.58.25</i>	0	<i>4.57.</i>	<i>5.52.00</i>
<i>49.30</i>	<i>54.35</i>	100	<i>5.02.15</i>	<i>48.15</i>
<i>50.20</i>	<i>53.30</i>	200	<i>05.50</i>	<i>44.30</i>
<i>51.15</i>	<i>52.20</i>	300	<i>09.15</i>	<i>41.00</i>
		400	<i>12.35</i>	<i>38.45</i>
		<i>450</i>	<i>14.30</i>	
		<i>500</i>	<i>17.55</i>	<i>5.33.50</i>
		500		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Amundsen Sea, 10° 2, 10° 10'

11-10-11

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Blake Trawl = many phoronoma, several sea urchins; 2 kinds holothurians; (calpa); sponge; anemones; hermits; 1 macrurus gibber; 1 neoscopelus macrolepidotus.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4444*. Date *12 June '02*.

Machine *Sigsbee* Machine. *Sigsbee* Reel. *Van Nostrand*.

Turns *347* Cor. + *35* Depth *382 fms.*

~~Shot or lead~~ *36 Lbs.*

Bottom *gy S.*

Bottom temperature *41.5*

No. of thermometer *92449*. Cor.

Corrected temperature

Air *80.* - Surface *77.* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.52.45</i>	<i>6.02.10</i>	0		
<i>54.20</i>	<i>01.10</i>	100		
<i>55.20</i>	<i>6.00.05</i>	200		
<i>56.15</i>	<i>58.50</i>	300		
<i>56.40</i>	<i>58.10</i>	400		
		500		
		600		
<i>Also made and</i>		700		
<i>of</i>		800		
<i>for 3775.</i>		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Handwritten notes at the top of the page, including "No. 1" and "1770".

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
347	3800	
35	3900	
382	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *74* Date *June 18 1892*
 Machine. *Sigsbee* Reel. *1*
 Turns *76* Cor. + *52 fms* Depth *52 fms*
 Shot or lead *35 lb.*
 Bottom *gy. S. Sh.*
 Bottom temperature *69.5°*
 No. of thermometer *73444* Cor.
 Corrected temperature
 Air *75* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>05.10</i>	<i>17.40</i>	<i>0</i>		
<i>05.40</i>	<i>22.45</i>	<i>25</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bottoms 205, 27475, 78

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4830	3500	267
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Electro-chemical
W. J. Gill

Cat Log. 45.5

3975 Date *13 June 02*
Sigsbee Machine. # *1* Reel. *Nav.*
 Turns *388* Cor. + *39* Depth *427 fms*
 Shot or lead *36 lbs.*
 Bottom *gy. S. R.*
 Bottom temperature *40.6°*
 No. of thermometer *72449* Cor.
 Corrected temperature
 Air *75* Surface *76* Drift *N 88° W 2 5/10*
 Trawl or dredge *5 1/2' beam, with 3 fms.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7. 31.20</i>	<i>37.30</i>	0	<i>47.50</i>	<i>10.00.30</i>
<i>31.50</i>	<i>38.30</i>	100	<i>51.30</i>	<i>5.10</i>
<i>32.25</i>	<i>37.00</i>	200	<i>54.30</i>	<i>1.10</i>
<i>33.01</i>	<i>36.35</i>	300	<i>5.30</i>	<i>1.10</i>
<i>34.10</i>	<i>35.10</i>	<i>388</i>	<i>8.14.20</i>	<i>1.10</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mokuaie Islet, 1800 ft. 117.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Blake Trawl =			
50	Brisings; 1 kind Echinoderm			
100	2 kinds sponges; 1 kind spatangoid;			
200	1 kind siphon; dentalium;			
300	2 kinds gastropods; 1 kind hydre-			
400	coralline; 1 kind pentachelus.			
500				
600				
700				
800				
900				
1000				

REMARKS:

1800 ft. 117. 117.

No. *1111* Date *12 June 1902*
 Machine. *Reel*
 Turns *101* Cor. + *36* Depth *676 fms*
 Shot or lead *36*
 Bottom *fw, gy, s, sh*
 Bottom temperature
 No. of thermometer *92449* Cor.
 Corrected temperature
 Air *86* Surface *77* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>05.00</i>	<i>13.00</i>	0	
<i>06.45</i>	<i>12.30</i>	100	
<i>07.30</i>	<i>12.00</i>	200	
<i>08.25</i>	<i>11.30</i>	300	
<i>09.15</i>	<i>11.00</i>	400	
<i>10.10</i>	<i>10.30</i>	500	
<i>11.00</i>	<i>10.00</i>	600	
<i>11.50</i>	<i>09.30</i>	700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

Kaprai Point, 22518' N., 16'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Cor.

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.22.00	1.23.10	0	9.50.00	12.20.00
4.50	1.24.00	100	10.62.00	26.45
	1.25.00	200	05.10	23.40
	1.26.00	300	08.00	20.35
3.40	1.27.10	400	11.00	17.20
3.40	1.28.50	500	14.00	14.05
3.40	1.30.50	600	17.10	11.20
3.40	1.32.00	700	20.10	08.20
4.00	1.33.50	800	23.50	05.20
4.00	1.35.50	900	26.30	12.02.00
4.00	1.38.10	1000	29.30	08.20
		1100	32.30	05.20
		1200	35.30	27.30
		1300	40.00	23.00
		1400	43.20	17.00
		1500	48.10	11.40
		1600	51.40	06.40
		1700		11.00.10
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Threw to 1600

Kapuni Point. 8 23° 15' N., 155° 10'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4800
3600
1.66
91
900
1021

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl =			
50	2 kinds of sponges; sponge;			
100	small stones encrusted with			
200	manganese, composed apparently			
300	of fine sand with numerous			
400	globigerinae and other foram-			
500	nifera, similar to rocks			
600	found in deep-water off			
700	Molokai and Lanai.			
800				
900				
1000				

REMARKS:

(Some small sponges broken); nothing else.

No.

Date

Sigsbee

Machine.

Reel.

Turns 1077 Cor. + 103

Depth 1180

Shot ~~on lead~~ 60 Lbs.

Bottom fine gy S. Glob.

Bottom temperature 35.8

No. of thermometer 92447 Cor.

Corrected temperature

Air 87. - Surface 78. - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.34.15	12.56.10	0
35.00	55.10	100
35.45	54.15	200
36.35	53.20	300
37.25	52.25	400
38.15	51.25	500
39.10	50.25	600
40.05	49.25	700
41.00	48.25	800
42.00	47.20	900
42.55	46.10	1000
12.43.45	12.45.05	1077
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Also marks on

rk

Dr! 3996.

Kayseri 07, 322071, 10/10'

6100
1000
2000

12820
1077
3152
1077

2000
1511
1077
1077
1180

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy 4448*. Date *13 June 1881*.
C. 113,000 Machine. *N* / Reel. *N*.
 Turns *689* Cor. + *69* Depth *8 fms.*
 Shot or lead *35* Lbs.
 Bottom *fine gy. S. - for.*
 Bottom temperature *37.5*
 No. of thermometer *92449*. Cor.
 Corrected temperature
 Air *84* - Surface *78* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.19.05</i>	<i>1.25.15</i>	0		
<i>20.00</i>	<i>33.15</i>	100		
<i>20.50</i>	<i>32.10</i>	200		
<i>21.45</i>	<i>31.15</i>	300		
<i>22.50</i>	<i>30.15</i>	400		
<i>23.55</i>	<i>29.15</i>	500		
<i>24.55</i>	<i>28.20</i>	600		
<i>1.25.15</i>	<i>27.25</i>	689		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuni 04, 825° 15' W, 13²/₁₀'

6100
523

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4820.

200

68.4
67

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 50.5

No. *411* Date *13 June 05*

Sigsbee Machine. # *1* Reel. *1*

Turns *326* Cor. + *33* Depth *359*

Shot or lead *36 lbs.*

Bottom *fine gy. s.*

Bottom temperature *41.8*

No. of thermometer *92449* Cor.

Corrected temperature

Air *86* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1:56.55</i>	<i>2.05.40</i>	0		
<i>57.20</i>	<i>04.30</i>	100		
<i>58.20</i>	<i>03.25</i>	200		
<i>59.10</i>	<i>02.20</i>	300		
<i>1.59.20</i>	<i>2.02.00</i>	326		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt, S 28° 30' W, 11 ³/₁₀'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4450.* Date *13 June, 1911.*
Sigsbee Machine. / Reel. Tare.
 Turns *277* Cor. + *20* Depth *305 fms.*
 Shot or lead *36 lbs.*
 Bottom *fine gy. S.*
 Bottom temperature *42.5*
 No. of thermometer *92449.* Cor.
 Corrected temperature
 Air *86.* - Surface *78.* - Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>2.25.40</i>	<i>2.32.50</i>	0		
<i>26.40</i>	<i>31.45</i>	100		
<i>27.30</i>	<i>30.45</i>	200		
<i>2.28.20</i>	<i>2.20.50</i>	277		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt, 1033-71, 9 5/10'

32.
10.
K 2

27

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Hy. 4451*. Date *13 June '02*
Sigsbee Machine. *A* Reel. *1*
 Turns *27* Cor. + *3* Depth *30 fms.*
~~Shot or lead~~ *36 Lbs.*
 Bottom *fine gy S.*
 Bottom temperature *77.2*
 No. of thermometer *92449*. Cor.
 Corrected temperature
 Air *86.* - Surface *78.* - Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2.47.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Kapuni Pt. S 37° W. 8³⁰'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

75.5

507

No. 4452 Date 1/1

Machine. Reel.

Turns 810 Cor. + 81 Depth 891

Shot or lead 35

Bottom Cr. Co. S. (S. 1/2)

Bottom temperature 37

No. of thermometer 92449 Cor.

Corrected temperature

Air 81 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
0. 15. 75	01. 00	0		
54	15. 50	100		
54. 45	15. 50	200		
55. 40	15. 50	300		
56. 35	15. 50	400		
57. 30	15. 50	500		
57. 40	02. 45	600		
57. 40	02. 45	700		
57. 40	01. 30	800		
57. 40	-	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ukula Pt, N 80° 30' E, 6.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
4550	3600	257
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

52.5

No. 299

Date June 14 1902.

Machine. Reel.

Turns 350 Cor. + Depth 15

Shot or lead 35 lbs.

Bottom gy. S. Br. M.

Bottom temperature 41.2

No. of thermometer 75447 Cor.

Corrected temperature (87.20 W)

Air Surface Drift 1.10

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.41.50		0	7.51.00	9.15.30
4.3.50		100	55.00	1.30.00
		200	57.00	39.20
		300	01.00	1.40
4.15		350	04.00	01.50
		400	04.10	
		500	04.15	
		600	11.00	02.30
		700	12.30	02.30
		720		
		900		
		1000		
7.49.00	8.37.00	10		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2 hauls - 17 min.

Surface net - both hauls (?) - small amount. Blue copepods; 2 kinds chaetognath; nautilus; blue shrimp; amphipods; 2 kinds

Ukula Pt, 87°15'E, 7'

380
300
50

4830 257

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				NE
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Tanner haul =
2 Umbellula; many of 4 kinds
gorgonians; many Sclerocras
(2 sp. ?); 2 sp. ophiurans;
3 sp. starfish; many Phormosoma;
several spatangoids; 2 sp. anemones;
1 gastropod; 1 Hydrocorallum;
several (3 sp.) Lophothyrax;

1 muricid; REMARKS: several specimens;
2 Dentalium; 2 sp. Macrurus;
1 Caprellid; 2 sp. Annelida;
2 sp. Crustacea; Macrurus found in
large quantity.

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

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TURNS.

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TURNS.

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TURNS.

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TURNS.

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TURNS.

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TURNS.

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TURNS.

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DOWN.

UP.

TURNS.

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DOWN.

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TURNS.

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TURNS.

DOWN.

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TURNS.

DOWN.

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DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.

UP.

TURNS.

DOWN.

UP.

W. 11. 13. 14. 885° 15' E., 8 1/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
4800 257	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *3998* Date *14 June 1902*
Sigsbee Machine. Reel. *5000*
 Turns *214* Cor. + *21* Depth *235 fms*
~~Shot or lead~~ *36 lb*
 Bottom *Co. br. G. S. sh. R.*
 Bottom temperature *47.5*
 No. of thermometer *92429* Cor. *(+0.2)*
 Corrected temperature
 Air *84* Surface *18* Drift *(4 1/10)*
 Trawl or dredge *with otter*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9:07:20</i>	<i>9:54:20</i>	0	<i>9:07:20</i>	<i>10:45:00</i>
<i>1:54:20</i>	<i>9:54:20</i>	100	<i>10:07:50</i>	<i>43.30</i>
<i>3:54:20</i>	<i>9:54:20</i>	200	<i>06.20</i>	<i>40.00</i>
<i>5:54:20</i>	<i>9:54:20</i>	<i>214</i>	<i>01.31</i>	<i>32.00</i>
		<i>450</i>	<i>17.00</i>	<i>20.05</i>
		<i>550</i>	<i>29.00</i>	<i>11.14.30</i>
		600	<i>10.34.15</i>	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

U.S. Navy 871° E., 9⁷/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
4830	3600	257
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl:			
50	1 scarpaena remigera; 1			
100	lophius sp?; 5 ops. argenteus;			
200	coral fragments; very small			
300	mollusk. 2 ops. lot.			
400	1 sp. spatangoid; clypeastrid;			
500	starfish; ophiurans; 3 ops			
600	prawns; much sponge; 3			
700	tectibranchs; 2 ops cirripeds;			
800	2 ops anemones.			
900				
1000				

REMARKS:

1 Box broken and frame torn from beam, the other box twisted. Nothing lost. Both runners and beam

No. *4117* Date *Jan 10 1880*Machine. *Lucas* Reel. *Lucas*Turns *207* Cor. + *21* Depth *228 fms.*~~Shot or lead~~ *36 Lbs.*Bottom *co S. For.*Bottom temperature *48.5*No. of thermometer *92449* Cor.

Corrected temperature

Air *83* - Surface *78* - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>11.42.5</i>	<i>11.52.05</i>	0	
<i>44.5</i>		100	
<i>52.5</i>		200	
<i>11.50.4</i>	<i>11.52.05</i>	207	
		300	
		400	
		500	
<i>Ch...</i>		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

W. H. W. 114, S 61° 30' E, S 710'

Copy
(114)
70
114

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

W. H. Harrison
 No. *344*. Date *16 June 1881*.

Hand Machine. Reel.

Turns — Cor. + Depth *7 fms.*

Shot or lead *14 lb.*

Bottom *Co. S. Sh.*

Bottom temperature

No. of thermometer } *None*. Cor.

Corrected temperature

Air *76* — Surface *77* — Drift *6' **

Trawl or dredge *9 Trawl*

4m. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.32.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7.32.00

42.00

05

5. 02. 20

Ukula Pt 8 51°30' E, 4⁹/₁₀'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
* encountered	3300	very strong set to
westward	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles:			
50				
100				
200				
300				
400	Foliaceous coral, mostly			
500	dead, several pieces; soil			
600	sp bryozoa; soil sp sponges;			
700	1 alpheus; 1 shrimp; 1 annelid;			
800	many antipatharian stems.			
900				
1000				

REMARKS:

No. *4455* Date *June 16th 12*
Sigsbee Machine. — Reel.
 Turns *142* Cor. + *6* Depth *148 fms*
~~Shot or lead~~ *26 lbs.*
 Bottom *gy M. and S.*
 Bottom temperature *—*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *79* Surface *78* Drift *—*
 Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5- 12.10</i>	<i>12.10</i>	0		
<i>08.10</i>	<i>10.05</i>	100		
<i>09 =</i>	<i>09.15</i>	<i>142</i>		
<i>M. and S.</i>		200		
<i>S. 3999</i>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Whale Pt, S 69° 30' E., 11.1'

C.K.
C.S.
J.S.

496
142

354

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

C. 2. 90. 1

No. *In 4000* Date *June 22*

Machine. Reel.

Turns *194* Cor. + *19* Depth *213*Shot or lead *35 lbs.*Bottom *gn. s. fm.*Bottom temperature *53.6*No. of thermometer *73449* Cor.

Corrected temperature

Air *71* Surface *75* Drift *(N 15° E)*Trawl or dredge *8' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*41.20**44.00**47.00**50.50**53.50**4.40**5.21**15.20**12 =**10-08.25*

Kapuai Point, N 21° E., 4 $\frac{8}{10}$ '

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
4520	3700	25
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tinner Hook = few hydroids.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4456* Date *June 16th, 1912*

Machine. #1 Reel.

Turns *75* Cor. + *9*Depth *154 fms*

Shot or lead

Bottom *Co. L. gy. S. M.*

Bottom temperature

No. of thermometer *92449* Cor.

Corrected temperature

Air *83* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*10-24.40 28.20**35.40 26.20**Also marks 200**of 15 4000*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Kaplan/PA. N 71° 15' E, 4 1/10

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4001* Date *June 16 07.*Machine. #1 Reel. *1*Turns *252* Cor. + *25* Depth *277 fms*Shot or lead *36 lbs.*Bottom *S. S.*Bottom temperature *14.5*No. of thermometer *72448* Cor.Corrected temperature *14.5*Air *84* Surface *78* Drift *13/10*Trawl or dredge *5 ft. beam trawl with a pair of dip nets*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>11-14.10</i>	<i>24.45</i>	0	<i>11-29.40</i>	<i>17.40</i>
<i>17.50</i>	<i>24.45</i>	100	<i>33.15</i>	<i>14.30</i>
<i>20.25</i>	<i>22.65</i>	200	<i>37.15</i>	<i>11.10</i>
<i>21.15</i>	<i>21.45</i>	<i>252</i>	<i>39.20</i>	<i>08.10</i>
		300	<i>43 =</i>	<i>05.00</i>
		400	<i>46.10</i>	<i>01.50</i>
		500	<i>47.50</i>	<i>12.00.00</i>
		<i>550</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kaplan Pt., N 88° 30' E, 3 8/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

250

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl: Fragment hydroid, 2 sps shrimps; few tectibranchs; 1 squid; 1 annelid, 1 peristodion fishes.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Station 414-1
 No. 4002 *151* Date 16 May 1902
 Machine. 1 Reel. 1004
 Turns 100 Cor. + 21 Depth 230 fms
 Shot or lead 36
 Bottom fine lo S. Glob.
 Bottom temperature 47.1
 No. of thermometer 92449 Cor.
 Corrected temperature
 Air 60 Surface 76 Drift 1 1/4 N 83° E
 Trawl and dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12:12.00	27.40	0	12:35.00	1.25.00
23.10	26.40	100	34.30	2.25.00
24.40	25.40	200	41.40	3.25.00
24.50	24.00	230	12:50.00	4.25.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuai Pt. 873° E., 3.0'

	2500	
	2600	
On B.	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
Dragon	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<p>Tanner Trawl =</p> <p>3 sps Shrimps; munida;</p> <p>2 sps crabs; 2 sps gorgonians;</p> <p>1 octopus; 2 tectibranchs;</p> <p>1 paraperis schauinslandi;</p> <p>1 antigonia; 1 Caranx sp?</p>			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

One side of ship's trawl
carried away; Nothing lost.

No. *4457* Date *16* *1902*
Sigsbee Machine. / Reel. *1*
 Turns *48* Cor. + *5* Depth *53 fms.*
 Shot or lead *36 Lbs.*
 Bottom *crs. co. S. S.*
 Bottom temperature *71.5*
 No. of thermometer *92449* Cor.
 Corrected temperature
 Air *82.* - Surface *78.* - Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.30.30</i>		0		
		<i>1/8</i>		
		100		
		200		
		300		
		400		
<i>Also marked</i>		500		
		600		
<i>1.31.00</i>		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Rep. in v. 1. 845° 15' E, 2 ⁴/₁₀

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
Staley
prod.

P.L. = 4.9

No. *Hy 447* Date *June 02.*
Machine: Recd.
Turns *192* Cor. + *19* Depth *209 fms.*
~~Shot or Lead~~ *35 lbs*
Bottom *gy. M. S.*
Bottom temperature
No. of thermometer *72000* Cor.
Corrected temperature
Air *84.* - Surface *78.* - Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.05.35</i>	<i>2.10.25</i>	0		
<i>06.00</i>	<i>07.05</i>	100		
<i>2.07.05</i>	<i>2.08.15</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kaplan PA, S 73° 18' 6", S 7/10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 6.9

507.

No.

Date

16 June '02.

Machine.

Reel.

Turns 257 Cor. + 26

Depth 285 fms.

Shot or lead 35 lbs.

Bottom

Bottom temperature

No. of thermometer

92.449. Cor.

Corrected temperature

Air 84 - Surface 78 - Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2.30.40 1.52.40

31.50 25.40

32.15 24.10

2.32.50 2.24.10

0

100

200

257
300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Station 820°48'E, 7 1/10'

OK
X(0)

255
255
255

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

S.L. = 8.9

No. 1116 Date 16 June 02

Sigsbee Machine. 81 Reel. 1116

Turns 356 Cor. + 36 Depth 392 fms.

Shot or lead 35 lb

Bottom gy. s. m.

Bottom temperature 41.0

No. of thermometer 92 Cor.

Corrected temperature

Air 84 - Surface 78 - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
05.15	06.00	0		
05.20	05.55	100		
05.25	05.50	200		
05.30	05.45	300		
05.35	05.40	356		
	05.35	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuai Pt, S 18° 15' E., 9 ²/₁₀'

51-52
51-52

552
36
392

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns 880 Cor. +

Depth 967 fms

Shot or lead 35

Bottom gy. S. gy. H. F. M.

Bottom temperature

No. of thermometer 92449

Cor.

Corrected temperature

Air 80. - Surface 78. - Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

22.45

41.20

0

23.20

40.20

100

24.20

40.20

200

25.15

39.20

300

26.10

38.20

400

27.20

37.20

500

28.30

36.15

600

29.40

35.10

700

30.50

34.00

800

31.40

33.10

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Kapuai Pt, S 16° E., 11.

516
C
Y

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 12.41

No. Dr. 4003. Date

16 June '04

Machine. / Reel.

Turns 683 Cor. + 68

Depth 751

Shot or lead 35

Bottom gy. s. R.

Bottom temperature 38. -

No. of thermometer 92449. Cor.

Corrected temperature

Air 83 - Surface 78 - Drift 13° E

Trawl or dredge 8' Tanner with Alton

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4.00.00	1.19.40	0	4.22.00	5.22.20
00.10	18.40	100	27.00	17.20
00.20	17.35	200	30.00	16.50
00.30	16.30	300	33.00	16.20
00.40	15.30	400	36.00	15.40
00.50	14.30	500	39.00	15.00
01.00	13.30	600	42.00	14.20
01.10	12.30	683	45.10	13.50
		700	48.10	13.20
		800	51.10	12.50
		900	54.20	12.20
		1000	57.20	11.50
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt, S 10° E., 10⁵/₁₀'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl: 1 periwinkle sp?; 1 fragment of gorgonian; holothurian -			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

After heaving in 7:15 pm. the strain to
came heavy and veered out to 8:30. —
Trawl, surface and glass float lost;
net torn; wrecked completely.

No. *47* Date *11/16/02*
Sigsbee Machine. *Sigsbee* Reel.
 Turns *369* Cor. + *35* Depth *406 fms.*
 Shot or lead *35 lbs.*
 Bottom *hr M. fm gy & glob.*
 Bottom temperature *41.2*
 No. of thermometer *72455* Cor.
 Corrected temperature
 Air *81* Surface *71* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.25.10</i>	<i>6.32.35</i>	0		
<i>25.55</i>	<i>32.30</i>	100		
<i>26.15</i>	<i>31.25</i>	200		
<i>27.35</i>	<i>30.15</i>	300		
<i>6.28.15</i>	<i>6.29.35</i>	369 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuai Pt S 70° 30' E., 9 ³/₁₀'

K. J. S.
J. J. S.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

369
37

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *Swedish*
 No. 4004 Date 17th June 1902
 Sigsbee Machine. #1 Reel. Navy.
 Turns 703 Cor. + 70 Depth 770 fms.
 Shot or lead 35 lb
 Bottom br. sh. R.
 Bottom temperature 37.5
 No. of thermometer 92449 Cor.
 Corrected temperature { 86.30 E
 Air 76 Surface 79 Drift 2 1/10
 Trawl or dredge 10 fms

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.10	3.40	0	1.10	3.40
1.20	3.30	100	1.20	3.30
1.30	3.20	200	1.30	3.20
1.40	3.10	300	1.40	3.10
1.50	3.00	400	1.50	3.00
2.00	2.50	500	2.00	2.50
2.10	2.40	600	2.10	2.40
2.20	2.30	700	2.20	2.30
2.30	2.20	703	2.30	2.20
		800	2.40	2.10
		900	2.50	2.00
		1000	3.00	1.50
		1100	3.10	1.40
		1200	3.20	1.30
		1300	3.30	1.20
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ukula Point, N 86° E, 5, '

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tanner Trawl c Few crushed shrimps; 2 sps worms; gorgonian fragments.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Frame lost and net
torn; fragments of net only
recovered.

Stoney
 No. *1463* *Hy* Date *17th June 1902*
Sigsbee Machine. *1* Reel. *Tony*
 Turns *586* Cor. + *9* Depth *645 fms.*
 Shot or lead *36 lb*
 Bottom *fine gy. S.*
 Bottom temperature *62*
 No. of thermometer *92449* Cor.
 Corrected temperature
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10:12:00</i>	<i>10:25:30</i>	0		
<i>12:15</i>	<i>24:20</i>	100		
<i>13:40</i>	<i>23:20</i>	200		
<i>14:30</i>	<i>22:10</i>	300		
<i>15:20</i>	<i>21:10</i>	400		
<i>16:25</i>	<i>20:00</i>	500		
<i>10:17:10</i>	<i>10:18:40</i>	<i>586</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mkula Point, N 64° 30' E, 3 $\frac{2}{10}$ '.

~~OK~~
~~55.2~~

4830 · 257

586
59
—
645

35 - 23

~~60~~ - 1

60 - 57

35 - 117